

NOTES ON IRIDACEAE. VI

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New species and subspecies in the genera *Trimezia* and *Cipura*, are described; moreover, new combinations in *Nemastylis*, *Eleutherine*, *Trifuncia*, and *Sisyrinchium* are established.

TRIMEZIA SOBOLIFERA Ravenna, sp. nov.

Planta usque 50 cm alta. Rhizoma brevis verticalis. Folia 3-4 ensiformia flabellata viridia leviter glaucescentia flaccida nervio medio vel submedio crassiori ad 30-50 cm longa et 17-35 mm lata infra solum vaginis haud distincte incrassatis. Caulis teres saepe flexuosus post anthesin soboliferus inferne folio basalibus simile sed breviori ad 29-30 cm longo dein folio abbreviato circ. 11 cm et bracteis 1-3 ad 4-5 cm longis. Spatha circ. 4 cm longa valvis subaequalibus. Pedicelli spathis saepe leviter longiores. Perigonium luteum 40-50 mm latum. Ovarium clavatum obtuse triquetrum pallide viride vel viridilutescente ad 9-9.2 mm longum et 2.3-2.4 mm latum. Tepala exteriora oblanceolato-pandurata ad 26-31 mm longa et 13 mm lata unguiculis concaviusculis pallidis striis castaneis notatis; lamina laete lutea ad basin castaneopunctata apiculata; apiculus 0.8-1 mm longus inferne pilosus. Tepala interiora geniculato-recurvata ad 14 mm longa et 7-8 mm lata; unguiculus 9 mm longus et 2.8 mm latus pallidus striis castaneis notatus; lamina lutea obovato-quadrata recurvata in medio inferiori stria glandulis oleiferis oblongis densis maculisque pallide castaneis ad 7 mm longa et 7 mm lata. Filamenta praeter basin fusco-brunneam incrassatam leviter connatam tenuiter filiformia ad 3.7 mm longa. Antherae lineari-lanceolatae ad 4 mm longae; pollen loculique nigro-viridescens. Stylus filiformis ad 4.4 mm longus. Styli rami lutei ad 4.3 mm concrecentes dein 2 mm liberi; cristae duae dorsales triangulari-cultriformes ad 2.9-2.3 mm longae; replicaturae stigmatosae 1.5 mm longae patentes. Capsula clavato-fusiformis ad 25.5 mm longa et 6 mm lata cicatricis perigonii parvis 1-1.5 mm latis. Semina angulata ochracea 1.5 mm lata.

COLLECTIONS. México, Veracruz, San Andrés de Tuxtla, Cerro El Vigía; Léia Scheinvar 674, 28-V-1967 (MEXU). Id. ibid., bosque caducifolio; M. Sousa 2264, 3-IV-1965 (MEXU). Oaxaca (?). La Caba, Chinantla; Liebman 43 (C 14591). Idem La Caba, Pocotepec; Liebman 44, VI-1842 (C 14590). Culta in Bonaria ex plantis in horto pr. Mazatlán civit. Sinaloa Mexici advectis; Ravenna 520, IV-1966 (Herb. Ravenna, type). United States, Florida, Dade

Co., Miami, Park site at SW 72 Ave. and Bird Rd.; G.N. Avery 562, 11-XII-1968 (NY). Venezuela, Caracas, originally obtained from garden of Dr. Lasser in 1960; Steyermark 112234, 25-VI-1976 (VEN).

Allied to *T. steyermarkii* Fost., and differing in the larger spathes, and by the fact of producing plantlets at every bract, including spathe-valves, of the past-flowered stem.

CIPURA INORNATA Ravenna, sp. nov.

Planta ad 20-30 cm alta. Bulbus subglobosus usque 18 mm latus. Folia basalia ad anthesin 2-3 plicato-teniolata lineari-attenuata fusco-viridia ad 15-28 cm longa circ. 3-7 mm lata. Scapus 15-27 cm longus. Spathae 1-3 biflorae sessiles vel subsessiles valva inferiori 20-23 mm longa, superiori 35-40 mm longa acuta translucide marginata. Flos albus breviter pedicellatus 18.5-22 mm longus et 26-35 mm latus. Ovarium oblongo-pyriforme pallide viride ad 5-5.5 mm longum et 1.5 mm latum. Tepala exteriora late oblanceolato-spathulata ad 21-22 mm longa et 12 mm lata; interiora obovata erecto-patentia ad apicem paullo recurvata eglandulosa ad 15-17 mm longa et 8.5-9 mm lata. Filamenta libera filiformia alba ad 2-2.7 mm longa. Antherae oblongae luteae ad 3.2 mm longae. Stylus et pars concrescens styli ramorum albi 6.5 mm longi; area stigmatosa infundibulato-trilobata cristis nullis.

COLLECTIONS. Costa Rica, Guanacaste, 6 km SE de La Cruz ("Santa Cruz" sphalm.), 200-250 m; Ramón Ferreyra 15945, 24-VII-1964 (USM). Culta in Bonaria ex bulbis circ 5 km a La Cruz australi-orientem versus civit. Guanacaste Costa-Ricae collectis; Ravenna 319, XII-1964 (Herb. Ravenna). 8 Km a Palo Seco septentrionem versus civit. Guárico Venezuelae; Ravenna 2177, 25-VI-1976 (Herb. Ravenna holotype, VEN isotype).

Closely related to *C. campanulata* Rav.; it can be distinguished by the non flat, broadly teniolate leaves, and the inner tepals shorter than the outer ones.

CIPURA PALUDOSA Aubl. subsp. *mexicana* Ravenna, ssp. nov.

A subspecies typica habitu elatiori foliis angustioribus in vivo 4-9 mm latis floribus albis raro leviter coerulescentibus tepalis longioribus differt.

COLLECTIONS. Guatemala, dept. Izabal, on trail from Zapotillo to El Astor, lake Izabal S.C. Snedaker D-52, 22-V-1966 (IFAS). México, Oaxaca, along the Pan-American highway (route 190), 16 km NW of Zanatepec, 100 m; R. Herril King 504, 10-VI-1958 (ENCB). Idem, Guerrero, Rincón Viejo, 700-800 m; H. Kruse 536, 27-VIII-1960 (ENCB).

Jalisco, dry thin soil near Guadalajara; Pringle 4463, 27-VII/15-VIII-1893 (MEXU, ENCB). 5 Km ad septentrionem Esquinapae civit. Sinaloa Mexici; Ravenna 278, X-1963 (Herb. Ravenna, type).

It differs from subspecies *paludosa* in the narrower, broadly teniolate leaves, larger, white or only slightly bluish flowers, with comparatively slightly narrower tepals.

NEMASTYLIS TENUIS (Herb.) Bak. subsp. *COERULESCENS* (Greenm.) comb. nov. — *N. coerulescens* Greenman, Proc. Am. Acad. Sci. 32: 296, 1897. — *N. tenuis* var. *coerulescens* (Greenm.) R.C. Fost., Contr. Gray Herb. Harv. Univ. 155: 41, 1945.

COLLECTIONS. Mexico, Morelos, dry gravelly soil near Cuernavaca; Pringle 6324, VI-1896 (MEXU, NY, SI, isotypes).

It is distinguished from subspecies *tenuis*, on account of its larger bulb, well branched inflorescence (rhypidium), and larger flowers.

ELEUTHERINE LATIFOLIA (Standl. et Will.) Ravenna, comb. nov. — *Cipura latifolia* Standley & Williams, Ceiba 1: 75, 1950.

COLLECTIONS. Honduras, dep. Morazán, Zamorano, 800 m; A. Molina R. 498, VIII-1947 (US, phototype seen).

Rather frequent in Honduras and Guatemala.

ELEUTHERINE CITRIODORA (Rav.) Ravenna, comb. nov. — *E. bulbosa* (Mill.) Urb. subsp. *citriodora* Ravenna, Bol. Soc. Arg. Bot. 10: 314, 1965.

A species from the first Andean slopes of northern Argentina, and neighbouring areas of Bolivia. It is found growing also spontaneously in gardens and parks, as far as at Santa Cruz de la Sierra, Bolivia.

TRIFURCIA PULCHELLA (Sweet) Ravenna, comb. nov. — *Herbertia pulchella* Sweet, Brit. Fl. Gard. 3: tab. 222, 1829.

Though its distinctness, this species was not transferred so far to *Trifurcia*, its proper genus.

SISYRINCHIUM PALMIFOLIUM L. subsp. *FUSCOVIRIDE* (Rav.) Ravenna, comb. nov. — *S. macrocephalum* R. Grah. ssp. *fuscoviride* Ravenna, Wrightia 7 (1): 6, 1981.

After the Linnean herbarium became available in microfiches, it was possible to confirm that *S. macrocephalum* R. Grah. is a synonym of *S. palmifolium* L.: the transference is made accordingly.